PCT10

RAW SEQUENCE LISTING   DATE: 03/08/2002
PATENT APPLICATION: US/10/069,586   TIME: 14:32:50

Input Set : **A:\9426-023-228 SEQUENCE LISTING.txt**
Output Set: **N:\CRF3\03082002\J069586.raw**

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  4 <110> APPLICANT: University of Virginia Patent Foundation
  5        Leland Chung
  6        Chia-Ling Hsieh
  7        Kenneth S. Koeneman
  8        Fan Yeung
 10 <120> TITLE OF INVENTION: OSTEONECTIN BASED TOXIC GENE THERAPY FOR THE TREATMENT OF
CALCIFIED
 11        TUMORS AND TISSUES
 13 <130> FILE REFERENCE: 9426-023-228
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/069,586
C--> 16 <141> CURRENT FILING DATE: 2002-02-27
 18 <150> PRIOR APPLICATION NUMBER: US 60/136,440
 19 <151> PRIOR FILING DATE: 1999-05-28
 21 <160> NUMBER OF SEQ ID NOS: 12
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 2313
 27 <212> TYPE: DNA
 28 <213> ORGANISM: Homo sapiens
 30 <400> SEQUENCE: 1
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 32 aaaagaattt aagaaaccac aaagctaagc tgggtgcggt ggctcacgcc tgtaatccta      120
 33 gcactttggg aagccaaggc attcggattg cccaagctca ggagttcgag accagcctgg      180
 34 gcaacatgtt gaaaccccat ttctactaaa aatacaataa attagctggg tgttgtggca      240
 35 tgtgcgcctg taatcccagc tactctggag gctgaggcgc gataattgct tgaacccggg      300
 36 aggcagaggt tgcagtgagc cgaaatcata ccactgcact ccagcctggg cgacagagtg      360
 37 agtgagactc tgtctcaaaa caaaacaaaa caaacaaaca aaaaaaccgg aaaccaacaa      420
 38 aactttttga ggaacaaagg gaaccaggta ttttattaat tctcatacct ccagagtgtt      480
 39 aggcacaaaa taaacattca accaagacct gttgcactga gcagttcata tataacagga      540
 40 gtgacccaag ttgaaacgta gaatcagccc tctcatacca cttttttgcca ggtgatcata      600
 41 ggcaagttac ttagcatcta tgtttcctta ttattaaaat ggtcataatt acaatgccta      660
 42 agataagggg gttgctgtga agattattaa atcctcagta aactttggct attgttactc      720
 43 ctatgattat catcaatatc atcaattacc ttatctgttc aatactggtg gcacaggtcc      780
 44 accagctaga tgtctaatcc cttatgtgtc tattagtggt acaagtggag tttgagtggg      840
 45 attttttttt tttttttaa gaccagttcc aaatcatcaa ggatgatacc actagtagca      900
 46 gcttgtcttg tctgtacagt ggtaagtcct ggccttgcct ttgtggcaaa tacaacccc      960
 47 ttgaattgct tggcccttct cagcattgcc taatattagg gaggactcct gtaaagctca     1020
 48 ctggttagaa gatcaagaca cttgggcctg gttctgcccc tggggggccat tgggtaattc     1080
 49 cttssagtct ccaggcctca cttgccctct gaacaagaaa gaggcctgtt ctggtcatcc     1140
 50 ctccagcctg tccagccctg gcactctgtg agtcggttta ggcagcagcc ccggaacaga     1200
 51 tgaggcaggc agggttggga cgtttggtca ggacagccca ccgcaaaaag aggaggaaag     1260
 52 aaatgaaaga cagagacagc tttggctatg ggagaaggag gaggccgggg gaaggaggag     1320
 53 acaggaggag gagggaccac ggggtggagg ggagatagac ccagcccaga gctctgagtg     1380
 54 gtttcctgtt gcctgtctct aaacccctcc acattcccgc ggtccttcag actgcccgga     1440
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55 gagcgcgctc tgcctgccgc ctgcctgcct gccactgagg tatgtgtgac ccccgcccag    1500
56 cctttccctt ctatagttgc accaaccccg acaccccgt tcacgccgtc agctcgtgtg    1560
57 caagggaggg aagctctgct gaggatgcgc ctctcctccc ggctccatca cggctcccct    1620
58 taagagcatg gccctcggtc ctgtctgcct gttgcttttc agaaggtgga ctcactgtgt    1680
59 aactttgtct tcccttacag gtttacagga aaataatctc actatgttct tcggggggagc    1740
60 attttctcac tctctgtttt tctctgtgtc tgtctctggt ttcagaggct gcctgcctgt    1800
61 cctctttgct ccctttgcaa atgtggcagc ctcctccttt cctgggaatc tgatcccatc    1860
62 acagctgcca cagggacctg gccagcaacc ggagtctgtc ctccagatct cggtcagggg    1920
63 ttctgttttc caaaaaggga ctttgcagaa caatcagttg atctctgaaa gggaaagggg    1980
64 gaggcttcac cattaatcca cacctctggg aagcttctgt tttcctctaa ttctcctcac    2040
65 tcccaaacac caccttccgt cccccccaata cacaaatttc agcaccattc tgcctgaaat    2100
66 ggcaccatca caacctcagt cttgggttag gtgttgttcc tgtcctgagt tccttgggat    2160
67 ggtaaacaca ggcagtagcc cttagtttat ctagatctga aaacccagac atcagatatc    2220
68 gtcaaccaag acatgggtgt aatgggaggt ggagtgtgct gggggagata ttctcagaag    2280
69 ggggaaaggg ggaagggaag agggagagaa ttc                                 2313
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72 <211> LENGTH: 574
73 <212> TYPE: DNA
74 <213> ORGANISM: Homo sapiens
76 <400> SEQUENCE: 2
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78 tacaaccccc ttgaattgct tggccctcct cagcattgcc taatattagg gaggactcct     120
79 gtaaagctca ctggttagaa gatcaagaca cttgggcctg gttctgcccc tgggggccat     180
80 tgggtaattc cttgcagtct ccaggcctca cttgccctct gaacaagaaa gaggctgttc     240
81 tggtcgtcc ctccaggcct gtccagccct ggcactctct gtgagtcggt ttaggcagca      300
82 gccccggaac agatgaggca ggcagggttg ggacgtttgg tcaggacagc ccaccgcaaa     360
83 aagaggagga aagaaatgaa agacagagac aggggagaag gaggaggccg ggggaaggag     420
84 gagacaggag gaggagggac cacggggtgg aggggagata gacccagccc agagctctga     480
85 gtggtttcct gttgcctgtc tctaaacccc tccacattcc cgcggtcctt cagactgccc     540
86 ggagagcgcg ctctgcctgc cgcctgcctg cctg                                 574
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 22
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Primer
96 <400> SEQUENCE: 3
97 actagtagca gcttgtcttg tc                                               22
99 <210> SEQ ID NO: 4
100 <211> LENGTH: 21
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Primer
107 <400> SEQUENCE: 4
108 cttctcccct gtctctgtct t                                               21
110 <210> SEQ ID NO: 5
111 <211> LENGTH: 21
112 <212> TYPE: DNA
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113  <213> ORGANISM: Artificial Sequence
115  <220> FEATURE:
116  <223> OTHER INFORMATION: Primer
118  <400> SEQUENCE: 5
119  aagacagaga cagggggagaa g                               21
125  <210> SEQ ID NO: 6
126  <211> LENGTH: 22
127  <212> TYPE: DNA
128  <213> ORGANISM: Artificial Sequence
130  <220> FEATURE:
131  <223> OTHER INFORMATION: Primer
133  <400> SEQUENCE: 6
134  tacctcagtg gcaggcaggc ag                               22
136  <210> SEQ ID NO: 7
137  <211> LENGTH: 18
138  <212> TYPE: DNA
139  <213> ORGANISM: Artificial Sequence
141  <220> FEATURE:
142  <223> OTHER INFORMATION: Primer
144  <400> SEQUENCE: 7
145  caggcaggca ggcggcag                                    18
147  <210> SEQ ID NO: 8
148  <211> LENGTH: 21
149  <212> TYPE: DNA
150  <213> ORGANISM: Artificial Sequence
152  <220> FEATURE:
153  <223> OTHER INFORMATION: Primer
155  <400> SEQUENCE: 8
156  gcgcgctctc cgggcagtct g                                21
158  <210> SEQ ID NO: 9
159  <211> LENGTH: 19
160  <212> TYPE: DNA
161  <213> ORGANISM: Artificial Sequence
163  <220> FEATURE:
164  <223> OTHER INFORMATION: Primer
166  <400> SEQUENCE: 9
167  tccaccaccc tgttgctgt                                   19
169  <210> SEQ ID NO: 10
170  <211> LENGTH: 18
171  <212> TYPE: DNA
172  <213> ORGANISM: Artificial Sequence
174  <220> FEATURE:
175  <223> OTHER INFORMATION: Primer
177  <400> SEQUENCE: 10
178  ctccaggcgc ttctcatt                                    18
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181  <211> LENGTH: 19
182  <212> TYPE: DNA
183  <213> ORGANISM: Artificial Sequence
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186 <223> OTHER INFORMATION: Primer
188 <400> SEQUENCE: 11
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193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Primer
199 <400> SEQUENCE: 12
200 tccaccaccc tgttgctgt                                          19
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VERIFICATION SUMMARY   DATE: 03/08/2002
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Input Set : **A:\9426-023-228 SEQUENCE LISTING.txt**
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L:15 M:270 C: Current Application Number differs, Replaced Current Application Number
L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date